O. W. 71 & 72—658,614—21-11-29.

C.F. 71 & 72.

1933.

Department of Rev.

OFFICE Board of Rev Irrgn

STATION Madras

Mis No. [illegible]

Dated 22-12-32

H 7749/33

To whom sent		Date	Initial
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(SUBJECT.)

Irrigation. Projects (Communications)

Kollegal

Ghattahalla project. Mr. Sandeman's Corr.

* Not to be filled in in the case of permanent records.

14

14-12469

SECY.
16 DEC 1933

Government of Madras

PUBLIC WORKS AND LABOUR DEPARTMENT

(Irrigation)

BOARD OF REVENUE
16 DEC 1933
LAND REVENUE AND SETTLEMENT

G.O. No. 2375 I., 31st October 1933

Projects—Coimbatore district—Kollegal taluk—Thattahalla project—Report—Papers recorded.

READ—the following papers :—

I

Extract from Proceedings of the Legislative Council, dated 29th March 1930.

Report on the Thattahalla project.

1676 *Q.*—Mr. BASHEER AHMED SAYEED : Will the hon. the Member for Revenue be pleased to state whether a copy of the preliminary report on the Thattahalla project and the estimated cost required for the scheme will be placed on the table of the House?

A.—The report has not yet been received by the Government. The attention of the hon. Member is invited to the later part of the answer to question No. 1559 delivered on 18th March 1930.

Mr. G. HARISARVOTTAMA RAO :—" May I know, Sir, whether the hon. the Revenue Member will ask for the information and furnish it to the House?"

The hon. Mr. A. Y. G. CAMPBELL :—" Yes, Sir."

II

Memorandum No. 6110 D/30-2, P.W. & L., dated 21st May 1930.

[Project—Coimbatore—Kollegal taluk—Thattahalla project—Preliminary report.]

The Chief Engineer for Irrigation is requested to state when the preliminary report and estimate for the scheme will be submitted to Government.

A. G. LEACH,
Secretary to Government.

To the Chief Engineer for Irrigation.

III

Letter from M.R.Ry. Rao Sahib N. SWAMINATHA AYYAR Avargal, B.A., B.E., Chief Engineer for Irrigation, Madras, to the Secretary to Government, Public Works and Labour Department, dated Madras, the 4th June 1930, No. 1781/27-B-5.

[Thattahalla project—Kollegal taluk—Coimbatore district—Preliminary report and estimate—*Reference.*—Government Memorandum No. 6110 D/30-2, dated 21st May 1930.]

In his reply, dated 14th May 1930, to the last reminder from this office the Superintending Engineer states that the revised estimate for the project has been received from the Executive Engineer, Salem division, and that it is under scrutiny. He reports that as the soil of the land to be irrigated by the scheme is black clay and loam, the Agricultural Department is being addressed to report on the suitability of the soil for irrigation purposes and that on receipt of reply from that department the estimate will be submitted by him.

The preliminary report and estimate will be sent to Government on their receipt from the Superintending Engineer after scrutiny in this office.

IV

Letter from M.R.Ry. Diwan Bahadur N. Swaminatha Ayyar Avargal, B.A., B.E., Chief Engineer for Irrigation, to the Secretary to Government, Public Works and Labour Department, dated Madras, the 14th August 1933, No. 1781/27-B-10.

[Thattahalla project—Kollegal taluk—Coimbatore—Preliminary report—*Reference.*—Government Memorandum No. 6110-D/30–2, dated 21st May 1930.]

I invite attention to paragraphs 3 and 4 of letter No. 366 I., dated 10th August 1932, from the Superintending Engineer, Coimbatore Circle, a copy of which was sent to Government with my letter No. 2214/31-B-3, dated 7th September 1932.* It will be seen therefrom that the Superintending Engineer doubted whether a suitable site for a reservoir would be found. In his subsequent letter No. 37 I., dated 25th January 1933 (copy enclosed), the Superintending Engineer reported that there was no suitable site across the river for a tank or a reservoir. In the Executive Engineer's letter No. 62-S.E., dated 20th January 1933, forwarded with the Superintending Engineer's letter referred to above, a proposal has been made to install an hydraulic ram to irrigate the proposed area and the Superintending Engineer has been asked to submit a report thereon, which is awaited.

Enclosure.

Letter from the Superintending Engineer, Coimbatore Circle, to the Chief Engineer for Irrigation, dated 25th January 1933, No. 37 I.

[Thattahalla scheme—Kollegal taluk—Coimbatore—Gauging—*Reference.*—Your No. 2214/31-B-4, dated 7th September 1932.]

The Executive Engineer, Salem Division, has now reported that there is no suitable site across the Thattahalla for a tank or a reservoir.

A copy of Executive Engineer's No. 62-S.E., dated 20th January 1933, is enclosed for your information.

Sub-Enclosure.

Letter from the Executive Engineer, Salem Division, to the Superintending Engineer, Coimbatore Circle, dated Salem, 20th January 1933, No. 62-S.E.

[Gauging the Thattahalla and Uduthorahalla Rivers—*Reference.*—Your No. 506-S.L./246-A and 441 F., dated 16th July 1932.]

In reply to the above, I have to state that I have inspected both of the above rivers at the proposed gauging sites on 9th January 1933. Both of the sites are quite suitable with rocky beds, straight approaches and clear overfalls. They are both within easy reach of the main road and arrangements can be made for a suitable person with intelligence, to go and take the readings of the gauges every morning and evening.

2. As regards the Uduthorahalla scheme it is quite easy to construct a dam and form a reservoir. But as regards the Thattahalla river, it is, in my opinion, impossible, since the river flows through the proposed irrigated area and above it, in a narrow ravine or nullah. Everywhere the land is flat and although there are numerous hills dotted about all over the area, there are not two sufficiently close together, so that a dam could be constructed between them to give a good sized reservoir. To put a dam up at the gauging site itself would only mean filling the ravine up and this would give a very small reservoir and quite inadequate to the requirements.

3. The suggested site for a reservoir downstream from Hanur near the hill called Chengadi Betta, as mentioned in your No. 315-S.L., dated 27th April 1932, was also inspected but is quite unsuitable since it is about three miles below the proposed area to be irrigated and at a much lower level, and therefore it is impossible to irrigate the area. So, this site is out of the question. But I have to suggest that I believe it is possible to install a hydraulic ram at a site just below the proposed gauging weir which would supply sufficient water to irrigate the proposed area.

4. I have had levels taken and found that a head of 20 feet could be obtained. With this head I believe a ram could be obtained to supply all the water required. I propose writing to Messrs. Harrison and Crossfield, Limited, of Quilon, Travancore, who are the Agents for "Blake's Hydrams" and asking them for their opinion as to whether a ram could be supplied for this purpose and what would be the cost. On receipt of their reply I will address you again on the matter.

* Not printed.

BOARD OF REVENUE
16 DEC 1933
LAND REVENUE AND SETTLEMENT

3

No. 2375 I., 31st October 1933

V

Chief Engineer's Memorandum No. 1781/27 B-11, dated 3rd October 1933.

[Thattahalla project, Kollegal taluk, Coimbatore district: From the Superintending Engineer, Coimbatore Circle, No. 427 I., dated 13th September 1933.]

In the circumstances explained by the Executive Engineer, Salem division, in his letter No. 996 S.E., dated 9th September 1933, the Chief Engineer for Irrigation agrees with the Superintending Engineer that the scheme for utilizing the waters of the Thattahalla stream may be abandoned.

N. Swaminatha Ayyar,
Chief Engineer for Irrigation.

To the Superintending Engineer, Coimbatore Circle.

Endorsement—No. 1781-27 *B.E.P., dated 3rd October* 1933.

Copy with an extract from the Executive Engineer's report referred to, forwarded to the Secretary to Government, Public Works and Labour department in continuation of letter No. 1781/27-B/10, dated 14th August 1933.

N. Swaminatha Ayyar,
Chief Engineer for Irrigation.

To the Secretary to Government, Public Works and Labour Department.

Enclosure.

Extract of report from the Executive Engineer, Salem division, No. 996 *S.E., dated 9th September* 1933.

* * * * * *

I have corresponded with the firm of Messrs. Harrison and Crossfield, Limited, Quilon, and I have received their reply . . . From this it will be seen that the scheme is not feasible since the amount of water required is far in excess of what is possible to obtain by pumping with hydraulic rams, taking into account the amount of water available in the stream.

This is due, I presume to the great loss incurred with this kind of pump.

Therefore, I consider the scheme can be considered impossible and dropped unless it is proposed to install and use some other kind of pump, petrol, oil or steam which have a higher efficiency ratio but these will require careful maintenance and a staff, of at least one man, permanently to run and look after them.

* * * * * *

Order—No. 2375 I., dated 31st October 1933.

Recorded.

(By order of the Governor in Council)

N. Gopalaswami,
Secretary to Government.

To the Chief Engineer for Irrigation.
,, Board of Revenue.
,, Revenue Department.
,, Secretary, Legislative Council (with 175 copies to be placed on the Council table).

Forwarded to the Board of Revenue Secs.

6

(By order)

8/11

Superintendent.

5

C.F. 16—24,90,350—30-10-30. (6,

DRAFT FOR APPROVAL.

Enclosures.

Despatch No.

When given to fair copying

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Register No. H 7748 , ~~dated~~ Q pp 1-34

From

Subject.

Irrigation . Projects (coimbatore)

Kollegal tk - Thattahalla project.

To Ahmedabad. C.O. Recorded

THE

Revdn (Mis) 3578 dt 21.11.32

Recorded :-

copy to the Collr of Coimbatore with a spare copy of the C.O.

17/12/32